

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Cancelled)

2. (Cancelled)

3. (Currently Amended) The ~~apparatus node~~ of claim ~~237~~, wherein the one or more access bearers carry connections for plural services of its associated type of media service.

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Currently Amended) The ~~apparatus node~~ of claim ~~2, 4, or 37~~, wherein the multiple access bearers do not necessarily have a same bandwidth and a same quality of service capabilities.

8. (Currently Amended) The ~~apparatus node~~ of claim ~~6 or 37~~, wherein the multiple access bearers do not have a same bandwidth and a same quality of service capabilities.

9. (Currently Amended) The ~~apparatus node~~ of claim ~~6 or 37~~, wherein the multiple concurrent access bearers include both circuit switched access bearers and packet switched access bearers.

10. (Currently Amended) The ~~apparatus node~~ of claims ~~2, 3~~ of 37, wherein the node establishes access bearers for providing different types of services to the stationary equipment unit, the different types of services including one of voice services, video services, and data traffic services.

11. (Currently Amended) The ~~apparatus node~~ of claims ~~2, 4~~, of 37, wherein the essentially fixed location physical link is one of the following: (1) a wire line link; (2) an optical link; (3) a radio link of a radio access network which does not involve mobility management.

12. (Previously Presented) The ~~apparatus node~~ of claim 37, wherein the packets of the transport protocol are one of Internet Transport Protocol (IP) packets and Asynchronous Transfer Mode (ATM) packets.

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Original) The method of claim ~~15~~46, further comprising carrying, on at least one of the multiple access bearers, connections for plural services of its associated type of media service.

17. (Cancelled)

18. (Cancelled)

19. (Currently Amended) The method of claim ~~18~~46, further comprising configuring the multiple concurrent access bearers to have different bandwidths and different quality of service capabilities.

20. (Currently Amended) The method of claim ~~18~~46, wherein the multiple concurrent access bearers include both circuit switched access bearers and packet switched access bearers.

21. (Currently Amended) The method of claim ~~15~~46, further comprising establishing access bearers for providing different types of services to the stationary equipment unit, the different types of services including one of a voice service, a video service, and a data traffic service.

22. (Currently Amended) The method of claim ~~15 or 17~~46, wherein the essentially fixed location physical link is one of the following: (1) a wire line link; (2) an optical link; (3) a radio link of a radio access network which does not involve mobility management.

23. (Currently Amended) The method of claim ~~15 or 17~~46, further comprising using as the packets of the transport protocol one of Internet Transport Protocol (IP) packets and Asynchronous Transfer Mode (ATM) packets.

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

37. (Currently Amended) A node of a communications network comprising:

plural interfaces connected to respective plural external networks from which the node obtains differing types of media services and provides the differing types of media services to a stationary equipment unit, the plural interfaces including:

an Iu-CS interface configured for connection toward a circuit switched core mobile network;

an Iu-PS interface configured for connection toward a packet switched core mobile network;

a connection control unit configured to use a modified UTRAN signaling protocol for dynamically establishing ~~establish~~ multiple concurrent access bearers for providing the stationary equipment unit with types of access bearers and services as are provided to a WCDMA user equipment unit, the modified UTRAN signaling protocol being configured to remove physical parameters related to radio resources and to add information elements which relate to a transport layer for the physical link;

a bearer service processing unit configured to map the multiple concurrent access bearers into packets of a transport protocol of a single essentially fixed location physical

link, differing ones of the multiple access bearers being configured for utilization by the differing types of the media services; and

a port configured to connect the access network controller node to a first endpoint of the fixed location physical link, a second endpoint of the fixed location physical link being connected to the stationary equipment unit.

38. (Previously Presented) The ~~apparatus~~ node of claim 37, wherein the multiple concurrent access bearers carry connections for plural services of its associated type of media service.

39. (Previously Presented) The node of claim 37, wherein the node is further configured to communicate with the stationary equipment unit over a UTRAN (Universal Mobile Telecommunications Terrestrial Radio Access Network) dedicated control channel (DCCH) as if the node were communicating over an air interface with the WCDMA user equipment unit, but with the connection control unit using an information element of the dedicated control channel (DCCH) conventionally used in a UTRAN message for radio resource information for conveying transport channels instead.

40. (Cancelled)

41. (Previously Presented) The node of claim 37, wherein the node is configured to reuse TrCH transport channels information elements of a UTRAN (Universal Mobile Telecommunications Terrestrial Radio Access Network) Connection Control (CC) protocol which otherwise pertain to radio resources for conveying the transport channels.

42. (Previously Presented) The node of claim 37, wherein the node is radio network controller (RNC) node of a UTRAN (Universal Mobile Telecommunications Terrestrial Radio Access Network) and is configured to use aspects of the UTRAN

RLC/MAC and RRC protocols which are common to or borrowed by the CC/MAC (Medium Access Control) and Link Control (CC) protocols of media access network.

43. (Previously Presented) The node of claim 37, wherein the node is configured to setup the multiple concurrent access bearers using UTRAN (Universal Mobile Telecommunications Terrestrial Radio Access Network) messages in which a traffic descriptor information element has been substituted for a radio resource information element.

44. (Previously Presented) The node of claim 37, wherein the node is configured to utilize a medium access control (MAC) protocol and a link control (LC) protocol which respectively are modifications of a UTRAN MAC protocol and a UTRAN RLC protocol.

45. (Previously Presented) The node of claim 37, wherein the node is configured to communicate over the fixed location physical link with the stationary equipment unit being a Third Generation Partnership Project (3GPP) terminal which does not have or does not use its radio part for access to the media services provided through the node.

46. (Currently Amended) A method of operating a communications network comprising:

establishing, for an access interface node, plural interfaces connected to respective plural external networks from which the node obtains differing types of media services and provides the differing types of media services to a stationary equipment unit, the plural interfaces including:

an Iu-CS interface configured for connection toward a circuit switched core mobile network;

an Iu-PS interface configured for connection toward a packet switched core mobile network;

connecting ~~a~~the stationary equipment unit to ~~an~~the access interface node by an essentially fixed location physical link;

at the node using a modified UTRAN signaling protocol for dynamically establishing multiple concurrent access bearers for concurrently providing differing types of services offered by one or more external networks through the node and on the multiple concurrent access bearers to the stationary equipment unit on the same essentially fixed location physical link, differing ones of the multiple access bearers being configured for utilization by the differing types of media services, in the modified UTRAN signaling protocol physical parameters related to radio resources have been removed and information elements which relate to a transport layer for the physical link have been added;

mapping the access bearers into packets of a transport protocol of the essentially fixed location physical link.

47. (Previously Presented) The method of claim 46, further comprising the multiple concurrent access bearers carrying connections for plural services of its associated type of media service.

48. (Previously Presented) The method of claim 46, further comprising the node communicating with the stationary equipment unit over a UTRAN (Universal Mobile Telecommunications Terrestrial Radio Access Network) dedicated control channel (DCCH) as if the node were communicating over an air interface with the WCDMA user equipment unit.

49. (Previously Presented) The method of claim 46, further comprising the node reusing TrCH transport channels information elements of a UTRAN (Universal Mobile

Telecommunications Terrestrial Radio Access Network) Connection Control (CC) protocol which otherwise pertain to radio resources for conveying the transport channels.

50. (Previously Presented) The method of claim 46, wherein the node is radio network controller (RNC) node of a UTRAN (Universal Mobile Telecommunications Terrestrial Radio Access Network), and wherein the method further comprises the node using aspects of the UTRAN RLC/MAC and RRC protocols which are common to or borrowed by the CC/MAC (Medium Access Control) and Link Control (CC) protocols of media access network.

51. (Previously Presented) The method of claim 46, further comprising the node setting up the multiple concurrent access bearers using UTRAN (Universal Mobile Telecommunications Terrestrial Radio Access Network) messages in which a traffic descriptor information element has been substituted for a radio resource information element.

52. (Previously Presented) The method of claim 46, further comprising the node using a medium access control (MAC) protocol and a link control (LC) protocol which respectively are modifications of a UTRAN MAC protocol and a UTRAN RLC protocol.

53. (Previously Presented) The method of claim 46, further comprising the node communicating over the fixed location physical link with the stationary equipment unit being a Third Generation Partnership Project (3GPP) terminal which does not have or does not use its radio part for access to the media services provided through the node.